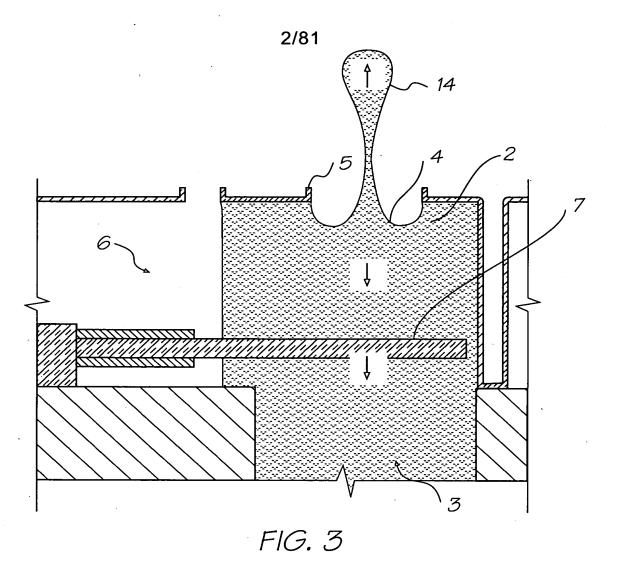
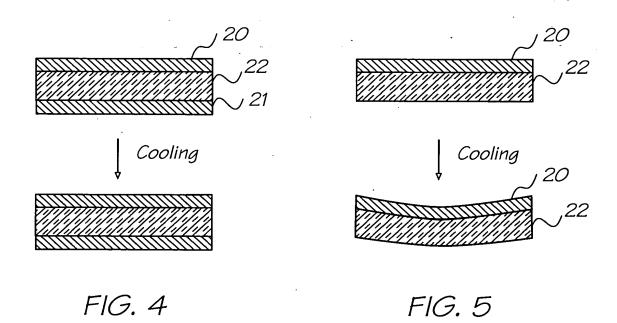


FIG. 2





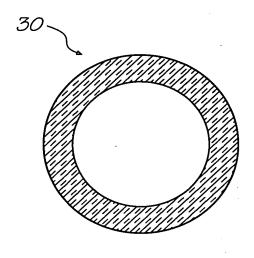


FIG. 6

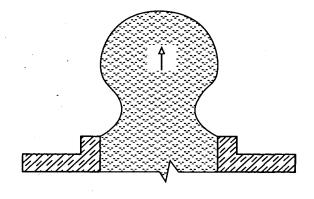


FIG. 7

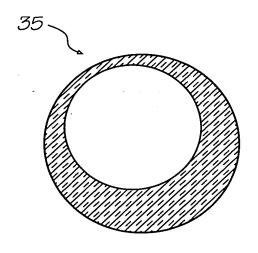


FIG. 8

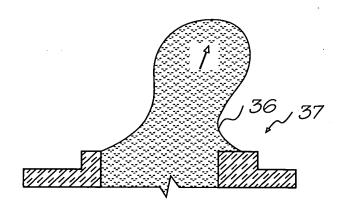
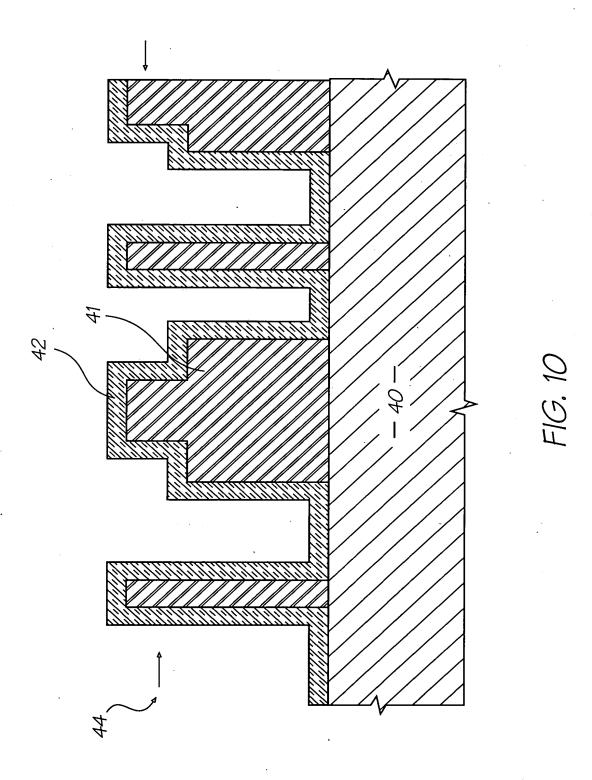


FIG. 9



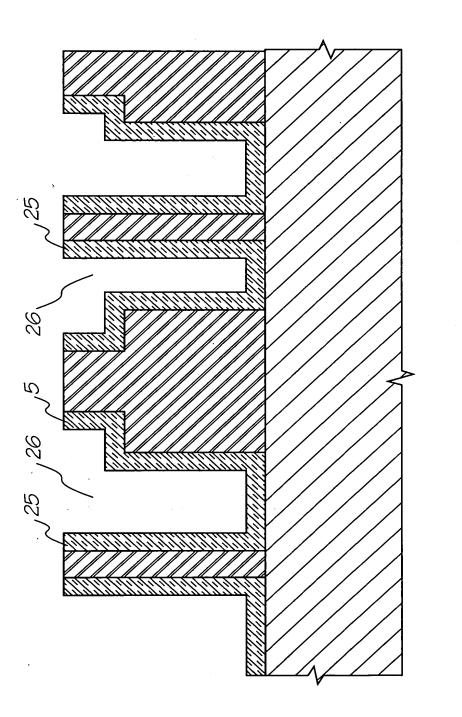


FIG. 11

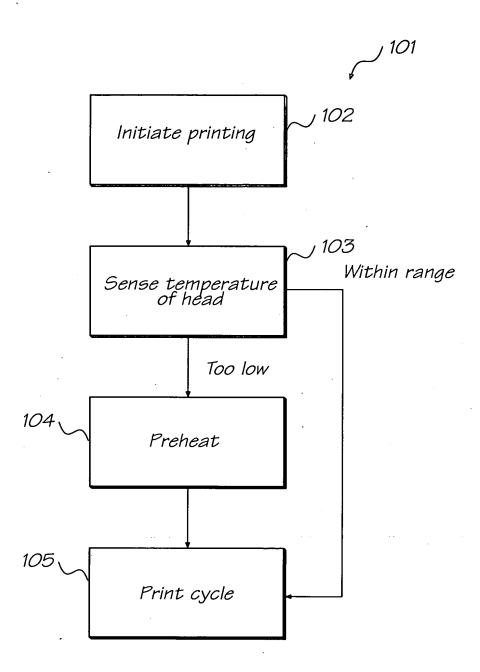
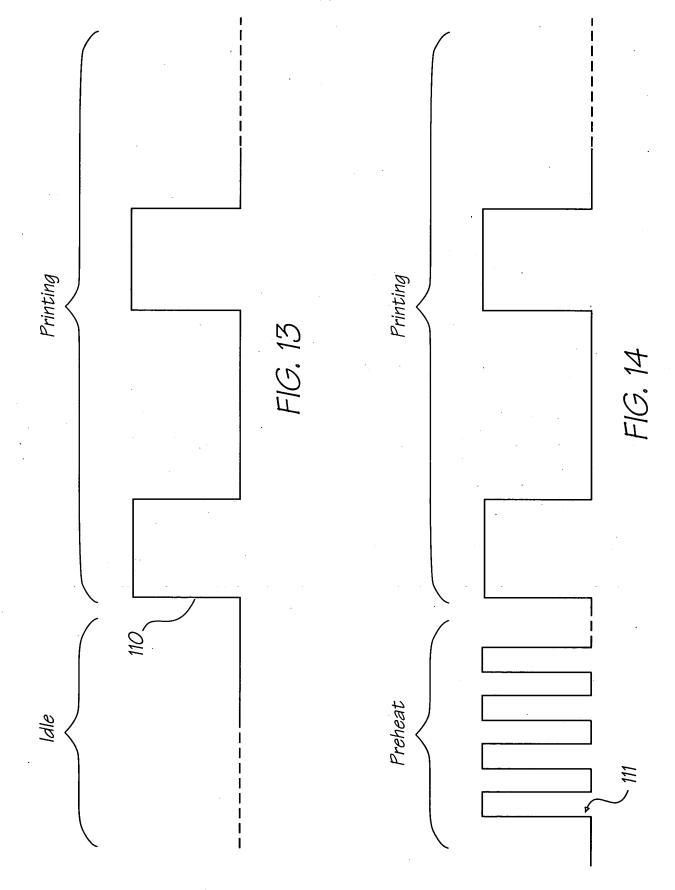
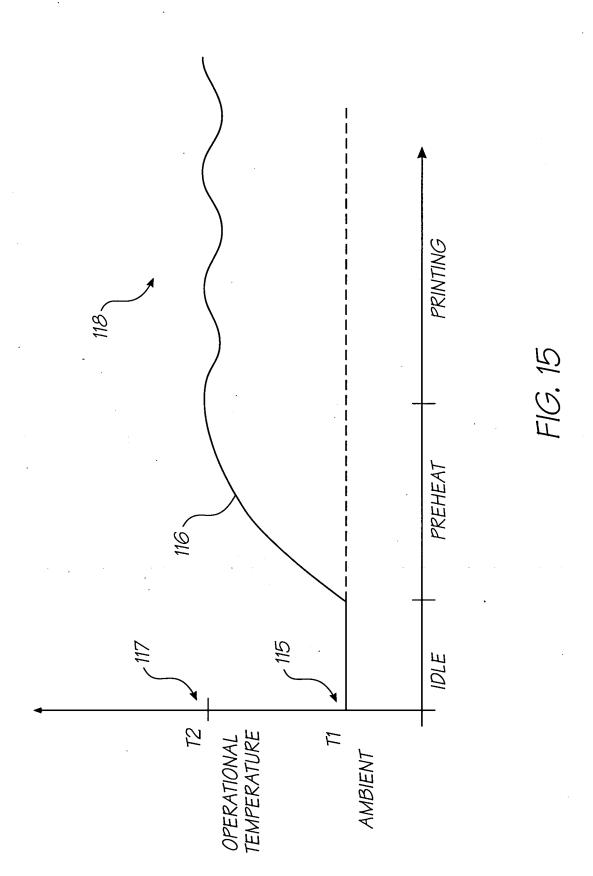
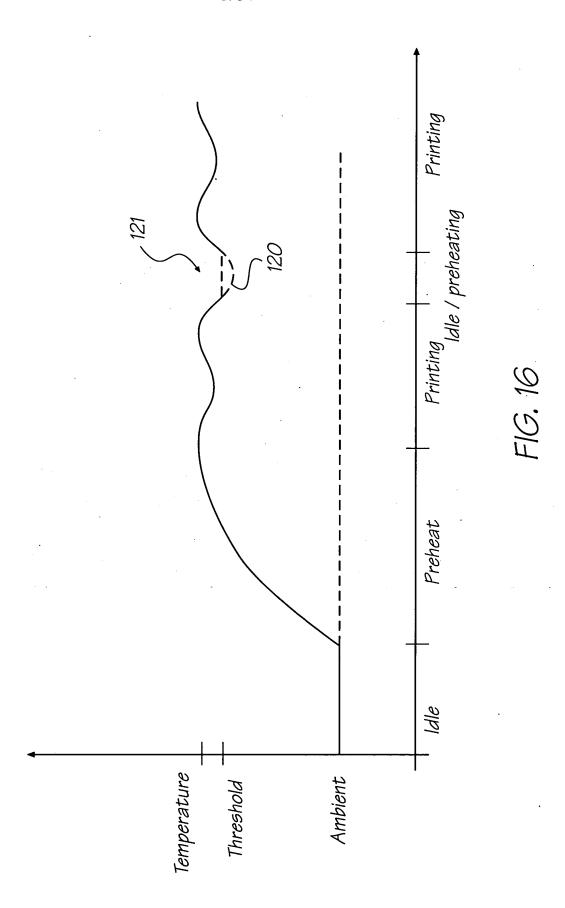


FIG. 12







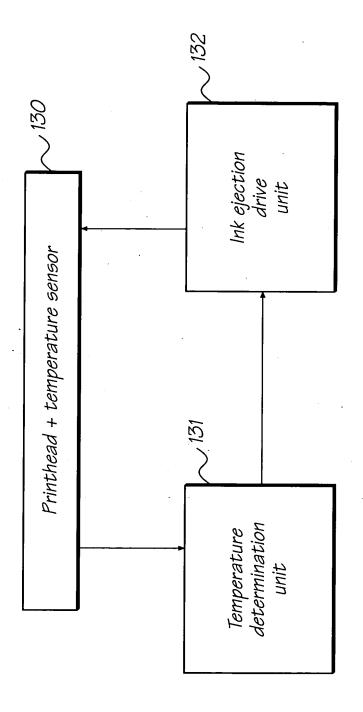
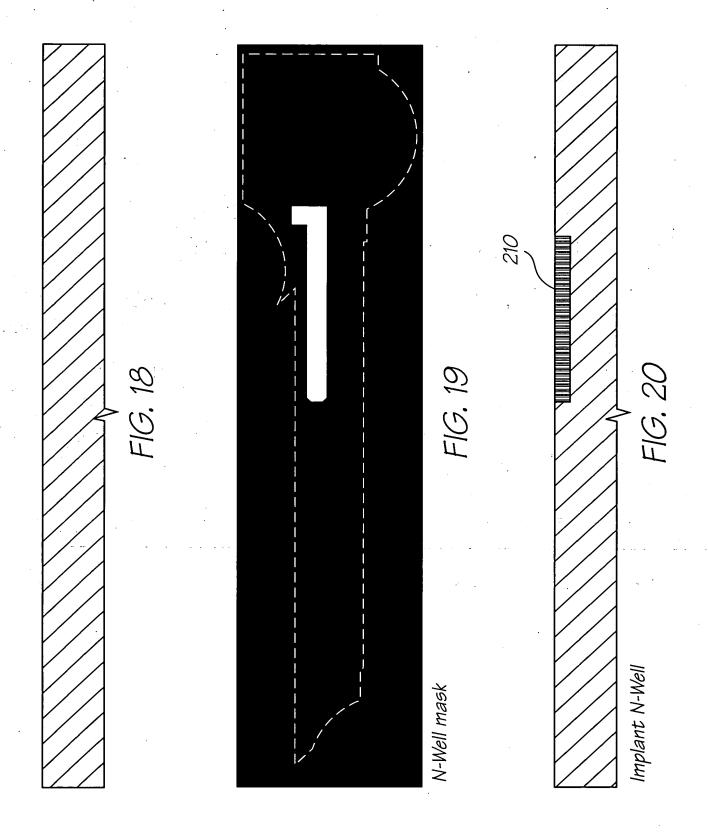


FIG. 17



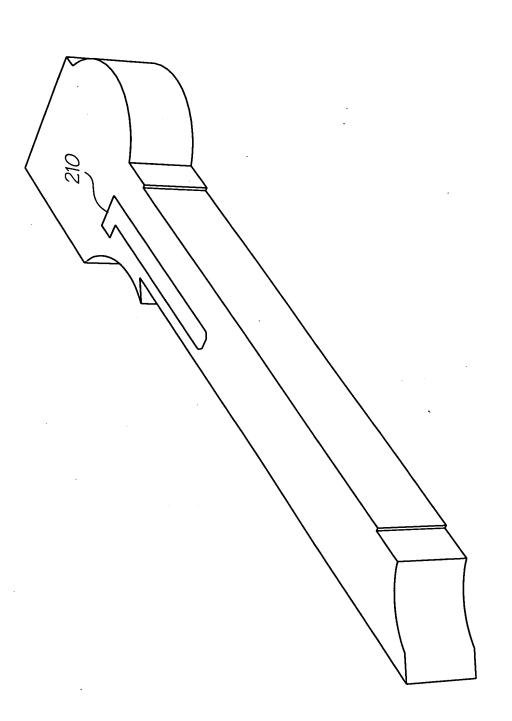
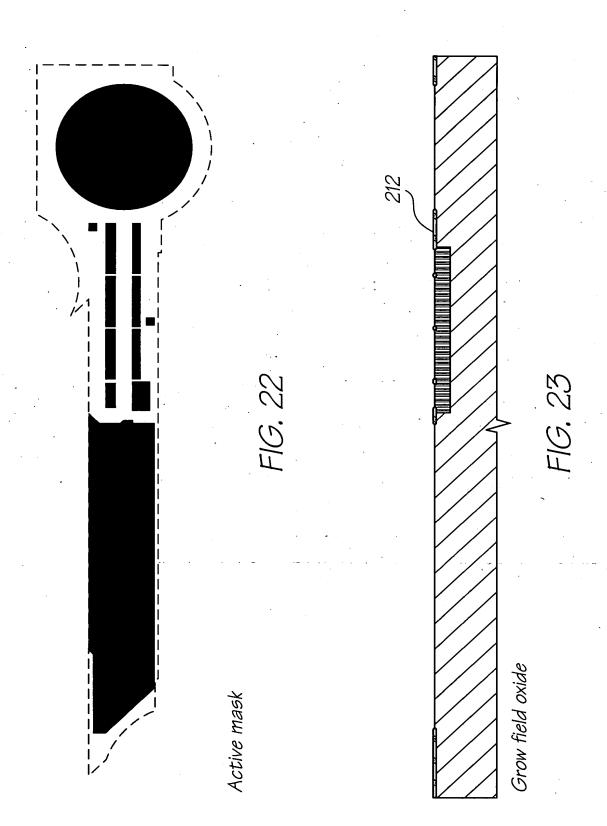


FIG. 21



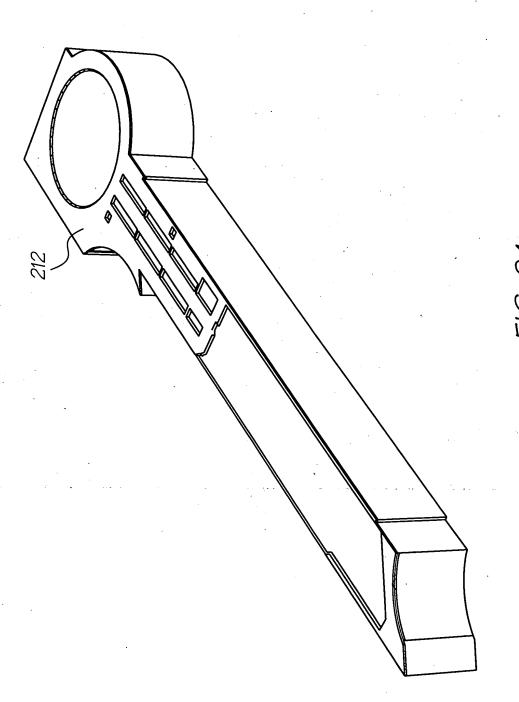
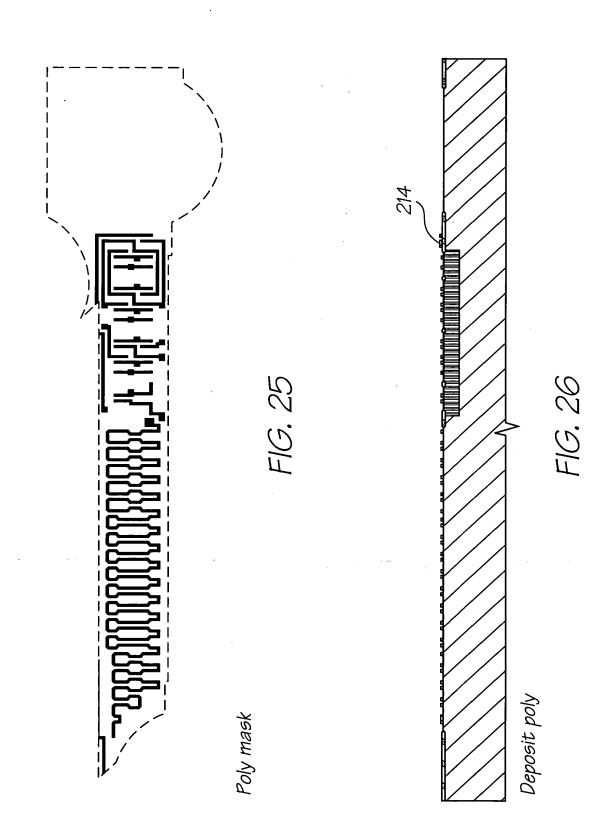


FIG. 74



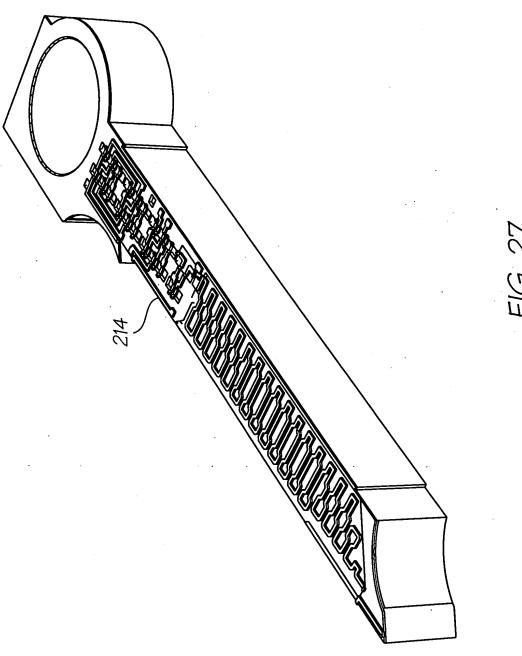
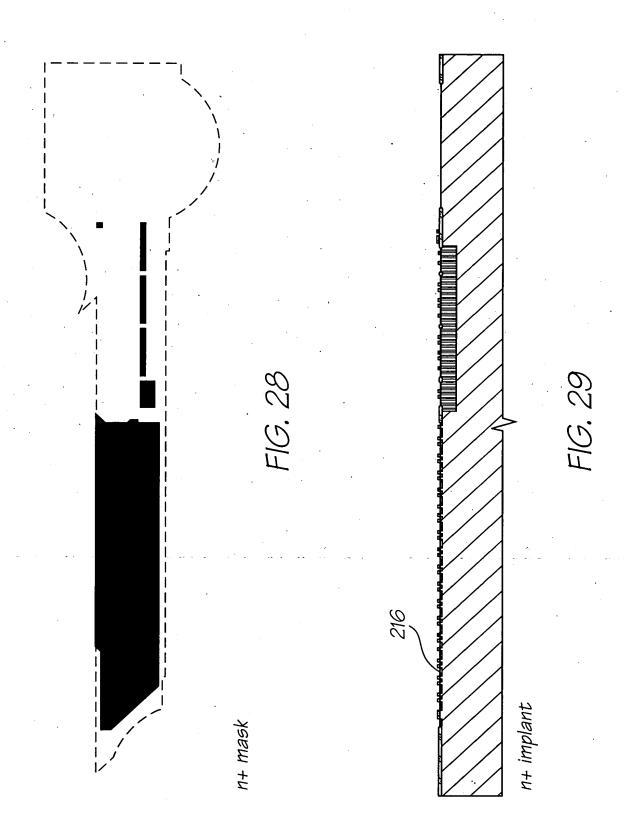
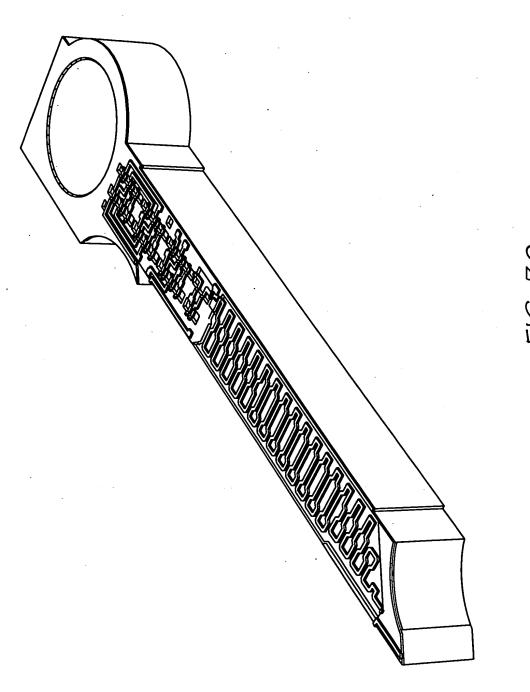
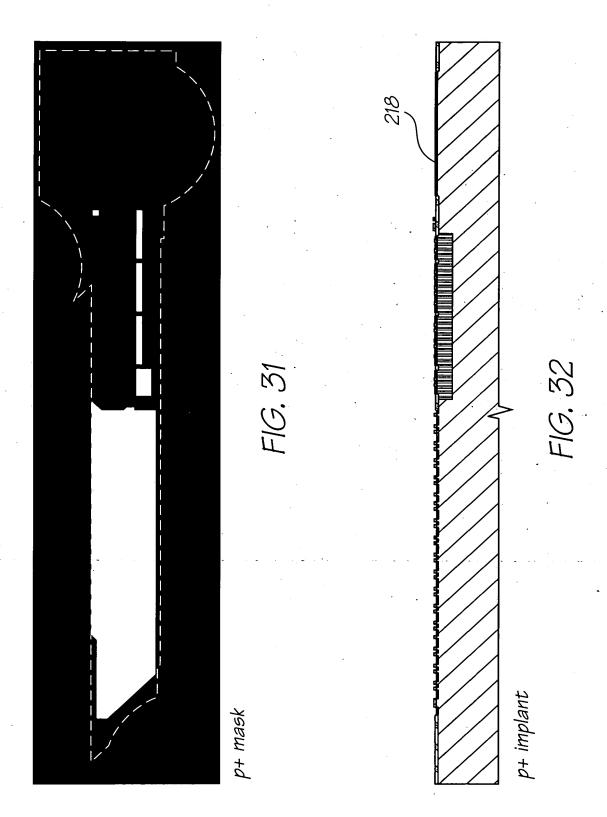
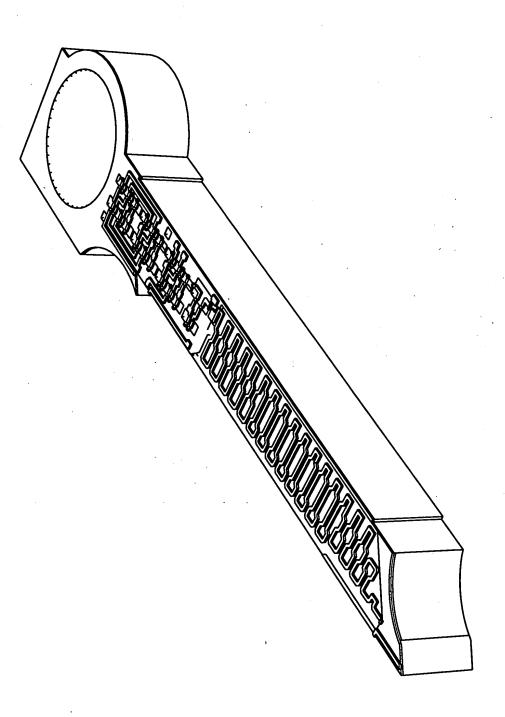


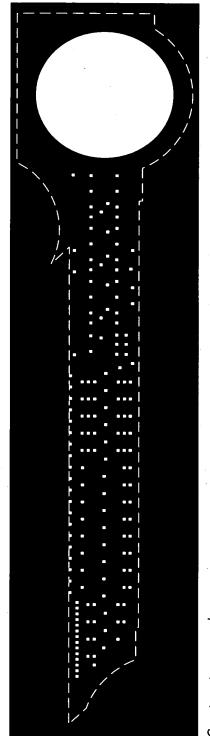
FIG. 7/





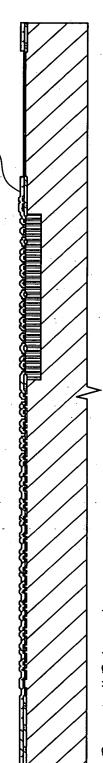






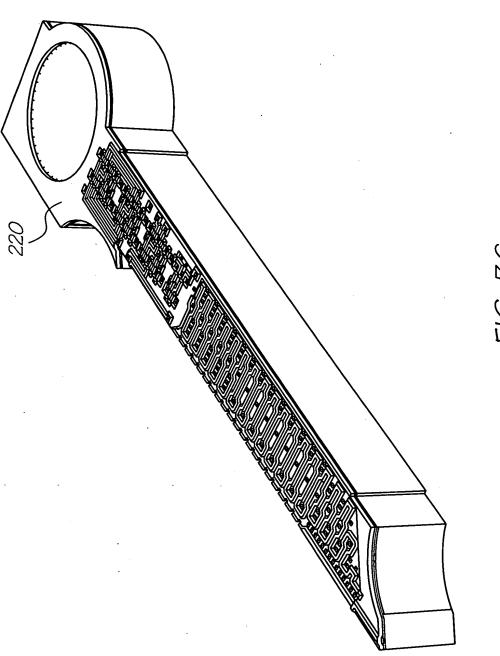
Contacts mask

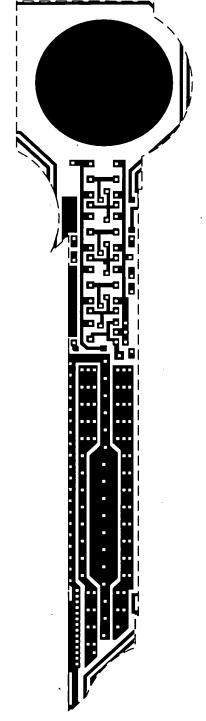
FIG. 34



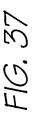
Deposit ILD 1, etch contacts

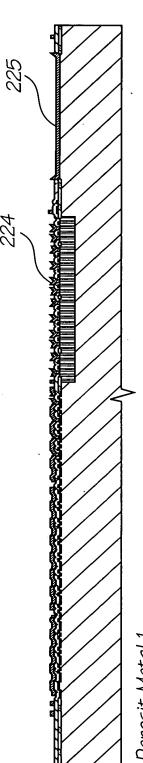
FIG. 35





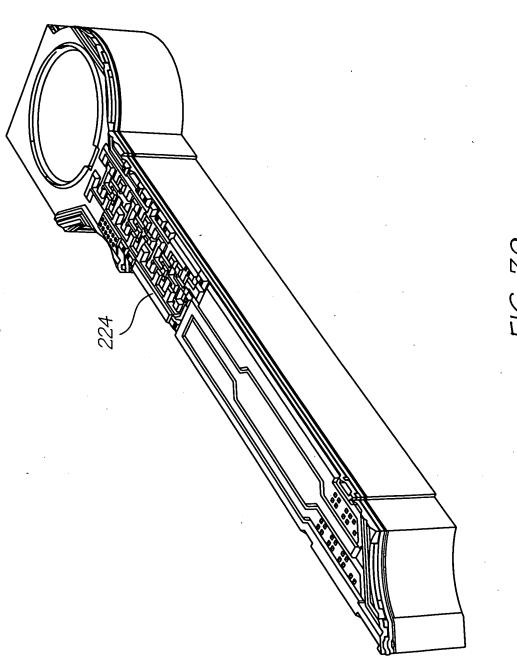
Metal 1 mask

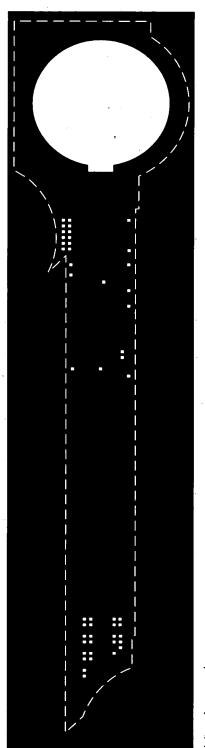




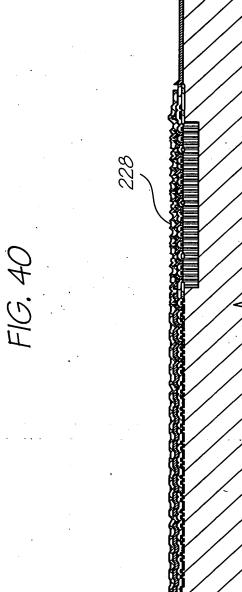
Deposit Metal 1

FIG. 38

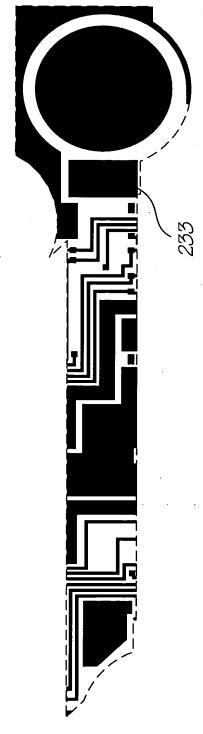




Via 1 mask

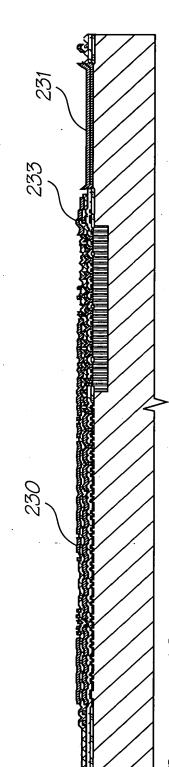


Deposit ILD 2, etch vias



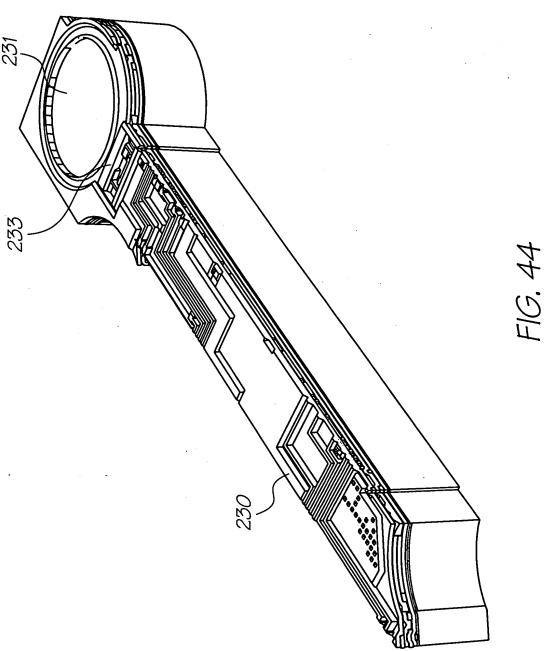
Metal 2 mask

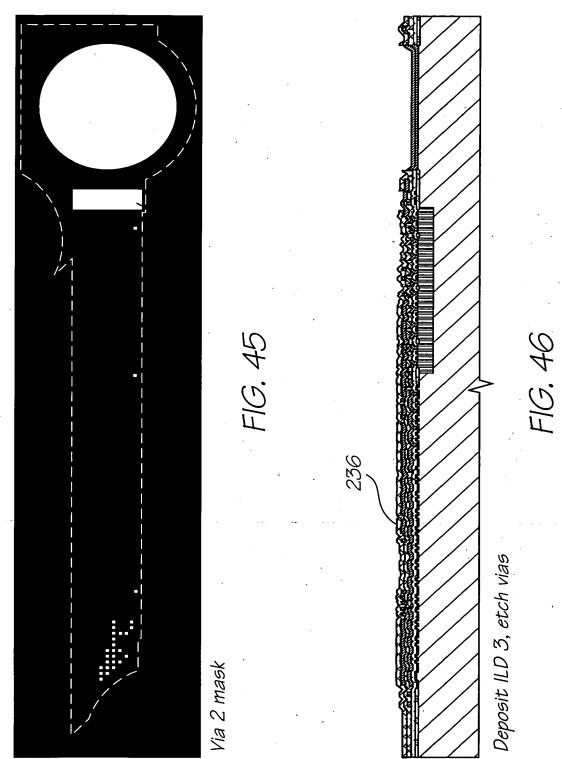
FIG. 42

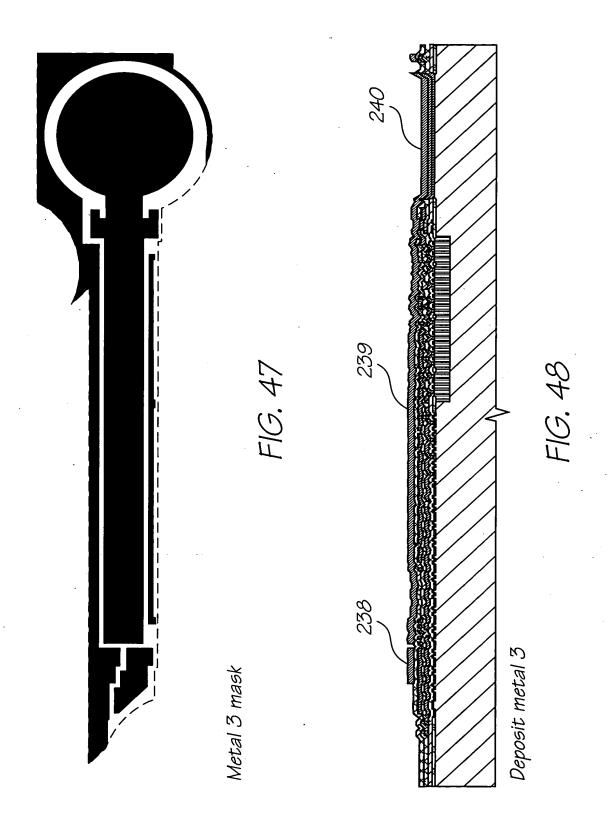


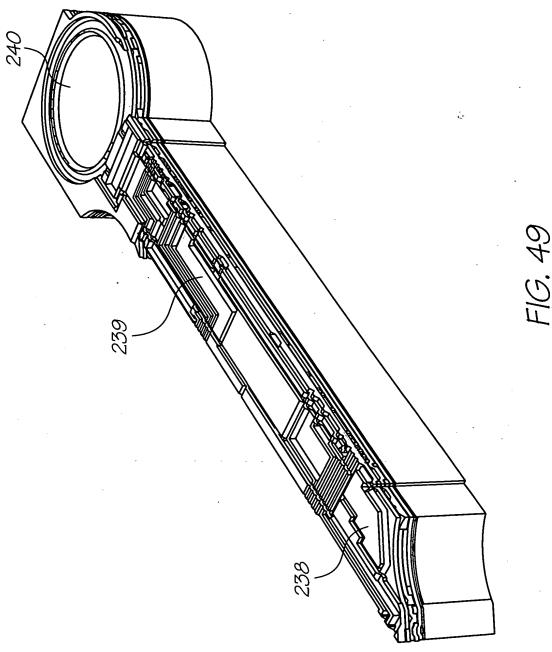
Deposit metal 2

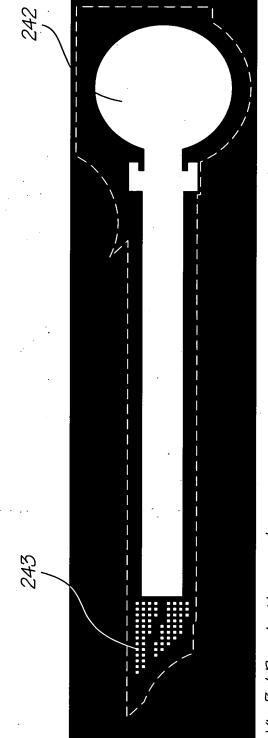
FIG. 43



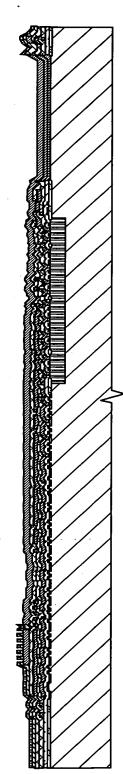




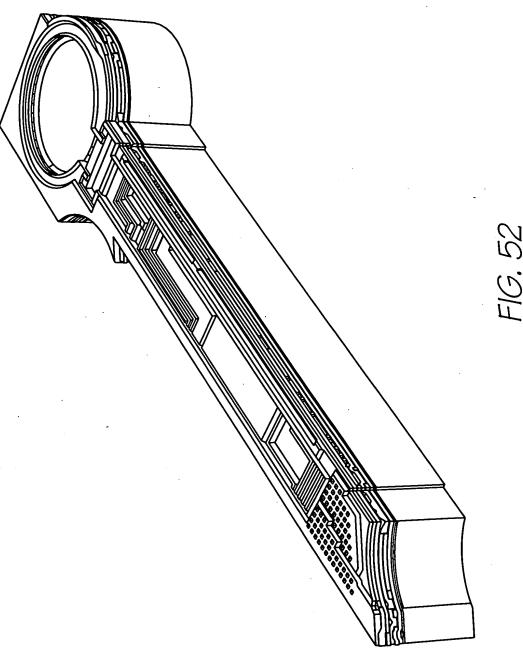


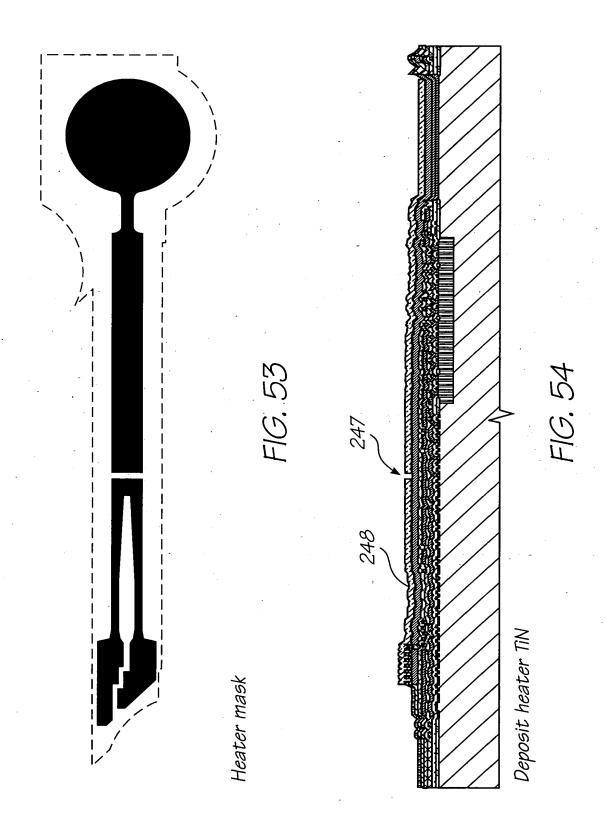


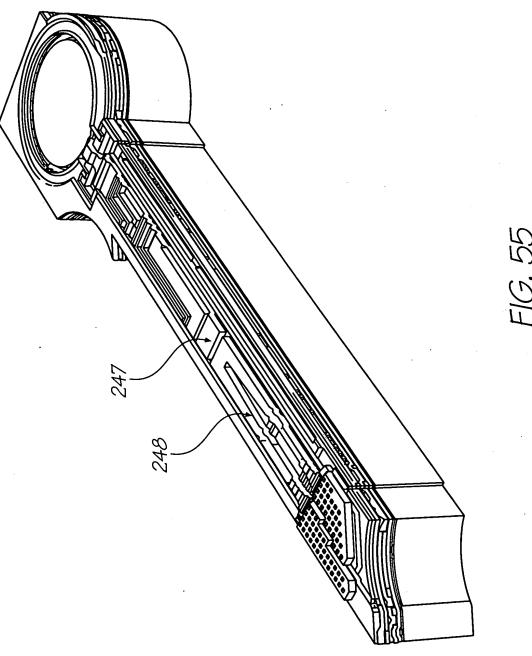
Via 3 / Passivation mask

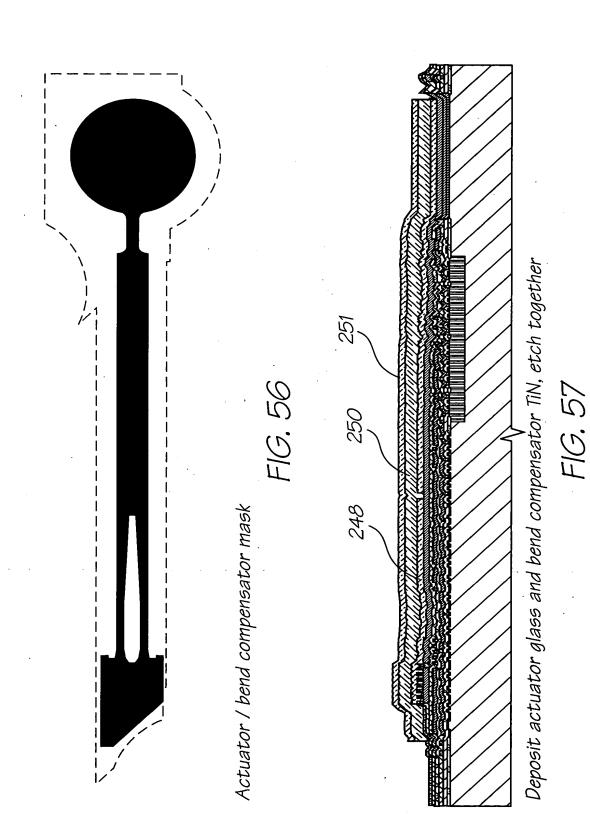


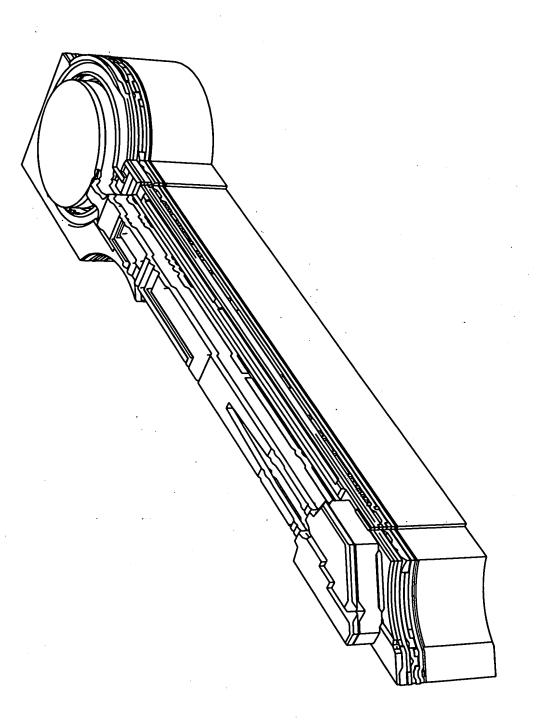
Deposit passivation oxide & nitride, etch vias

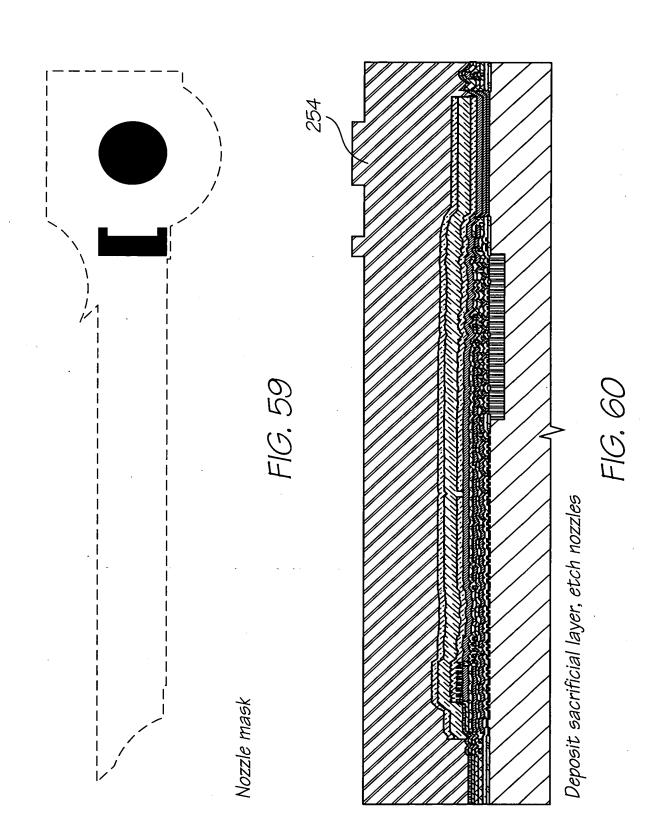


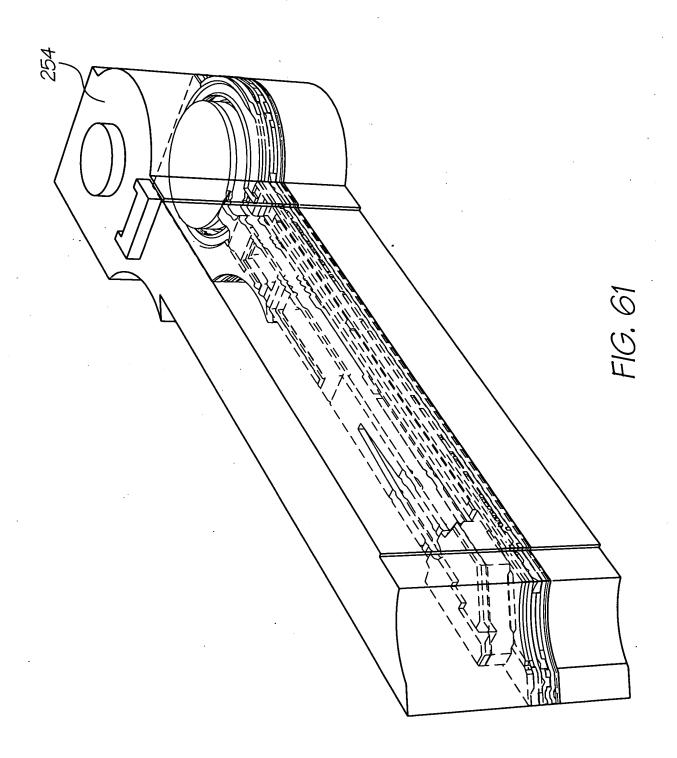


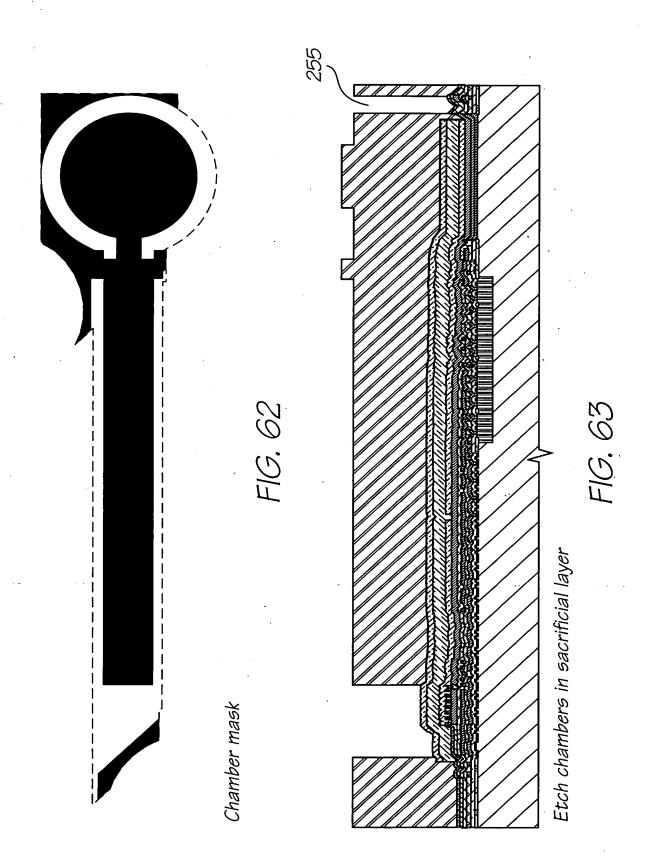


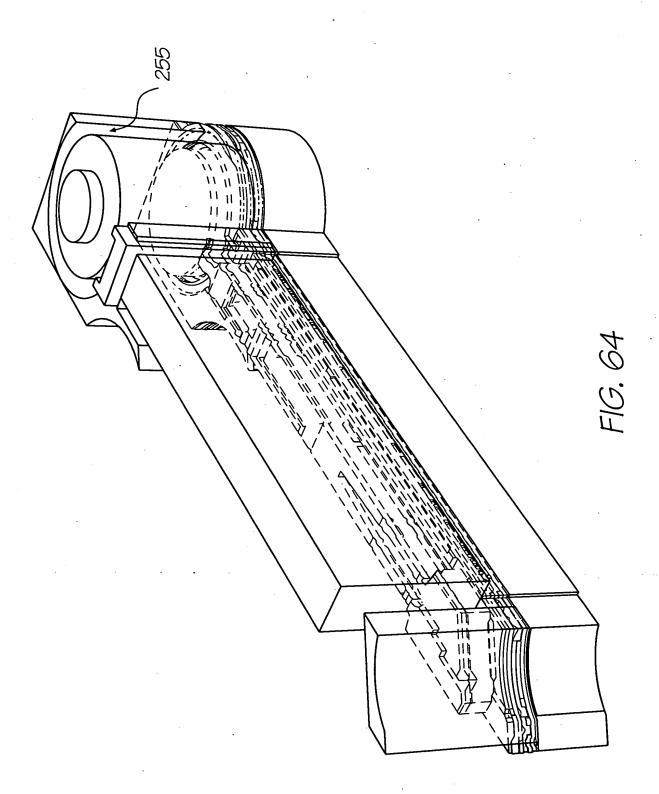


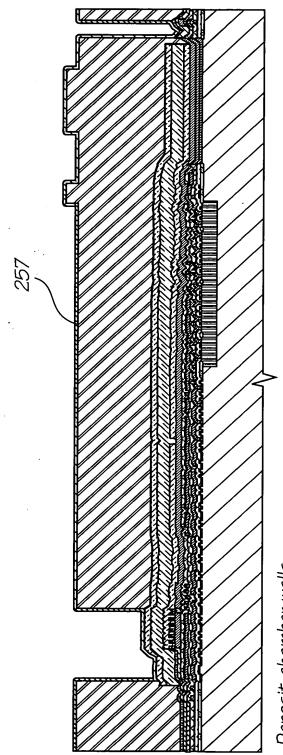




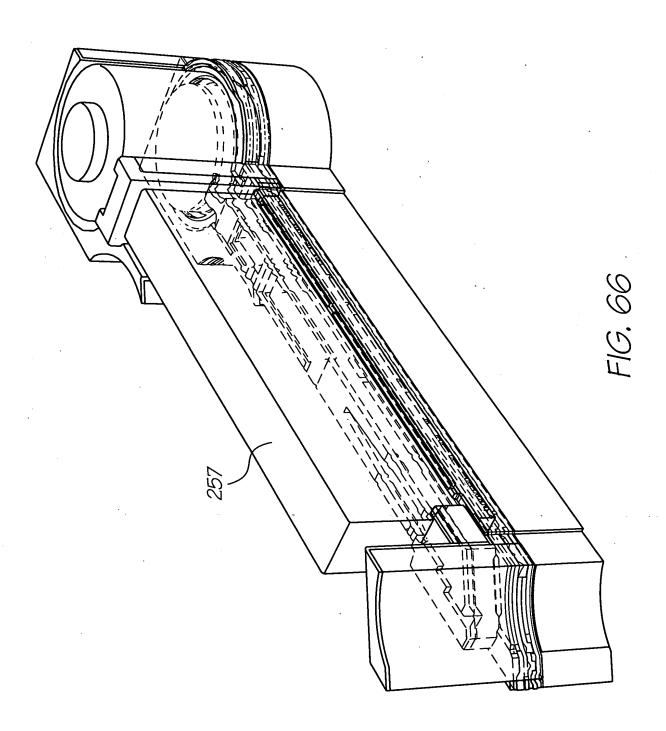


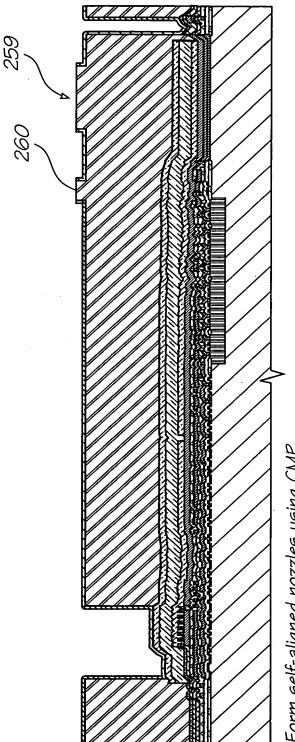




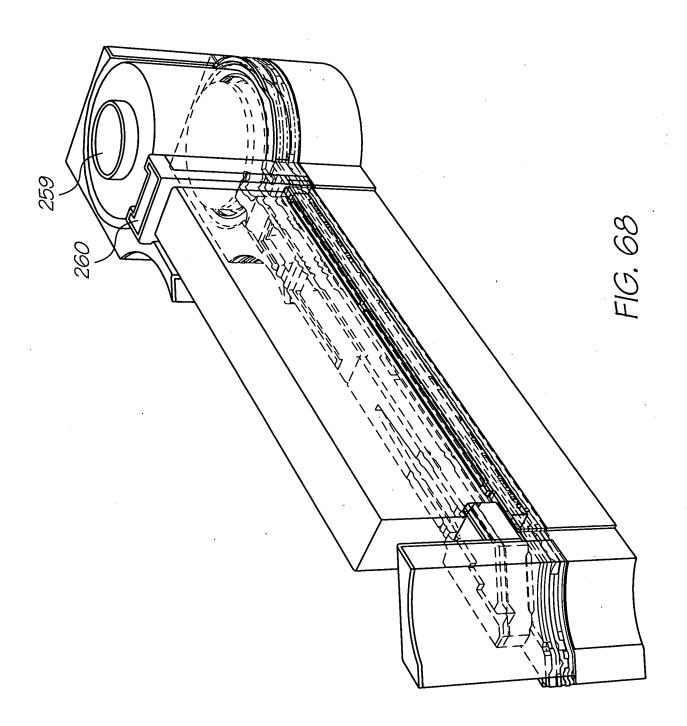


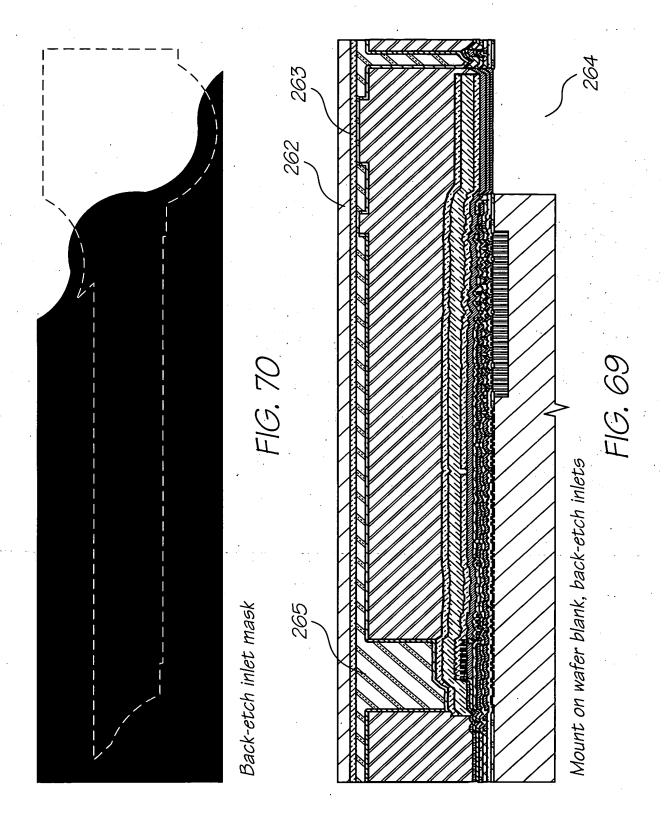
Deposit chamber walls

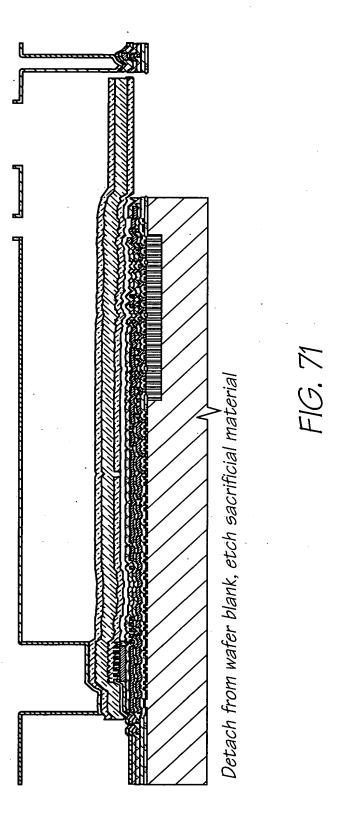


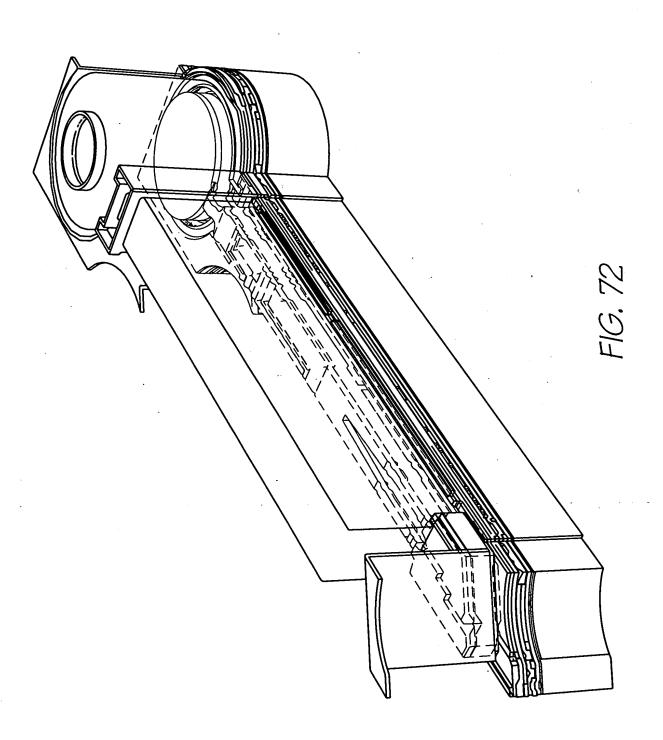


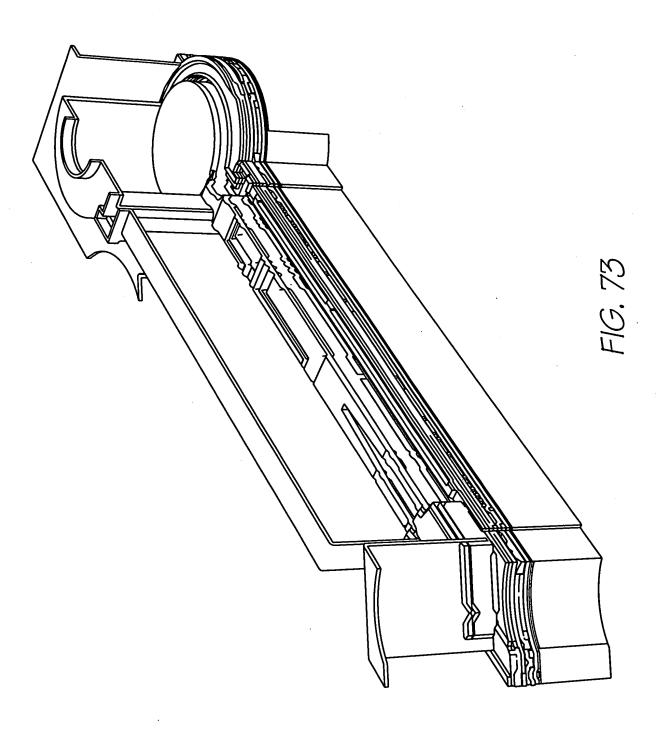
Form self-aligned nozzles using CMP











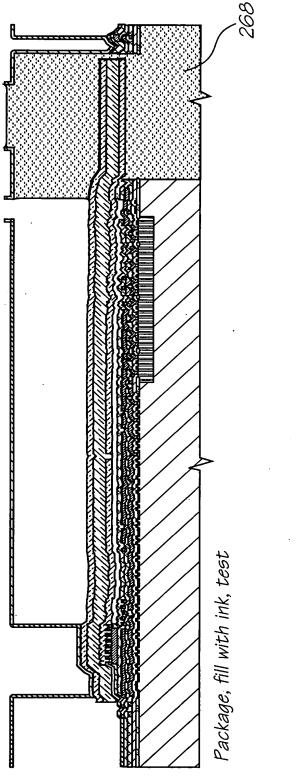
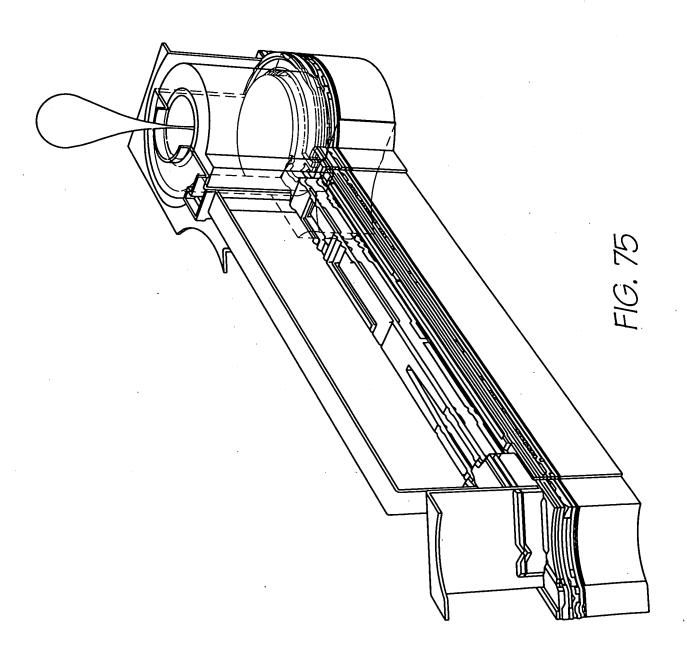
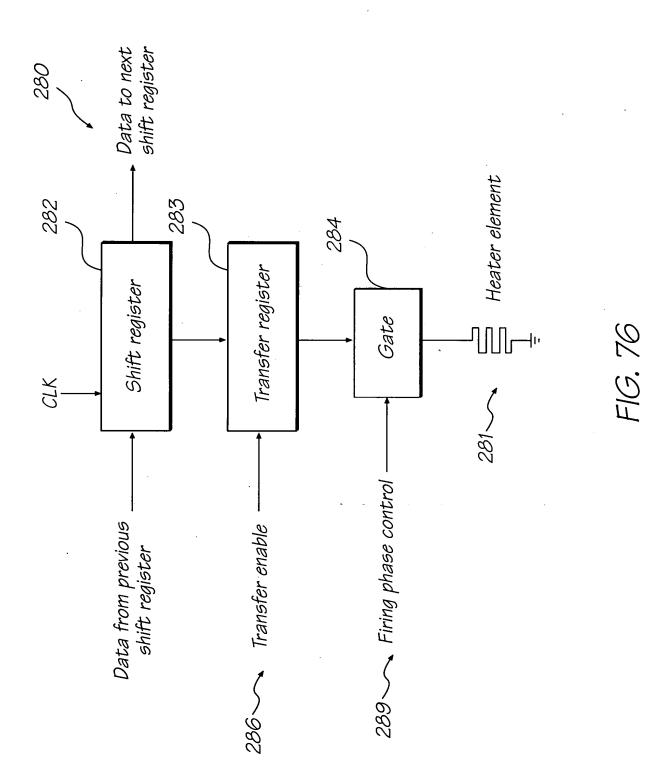


FIG. 74





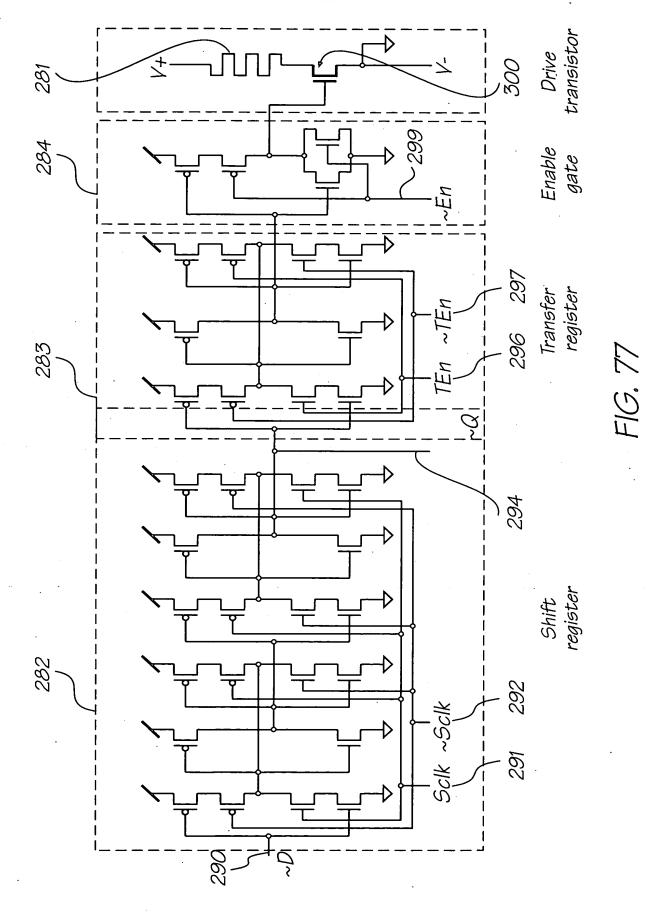
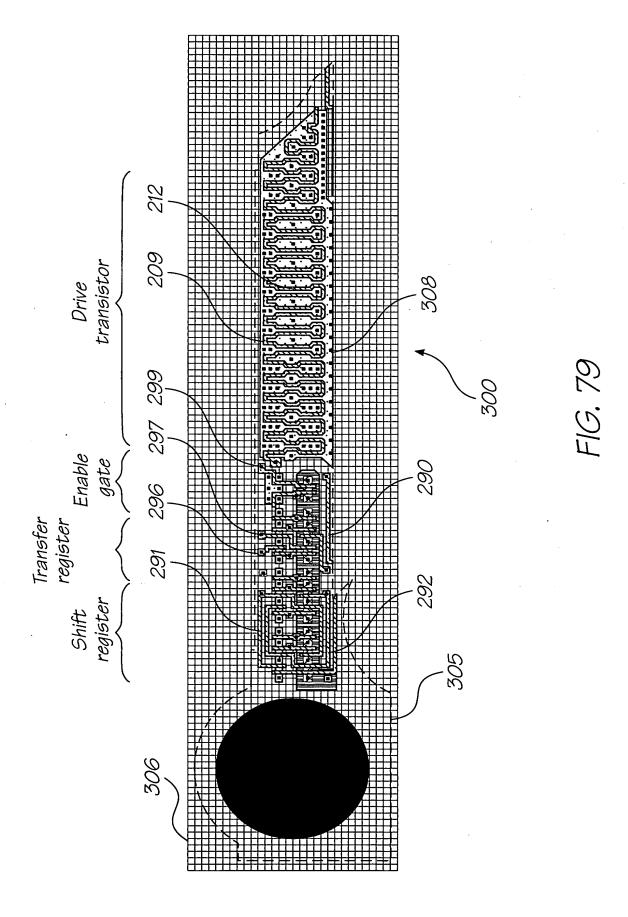
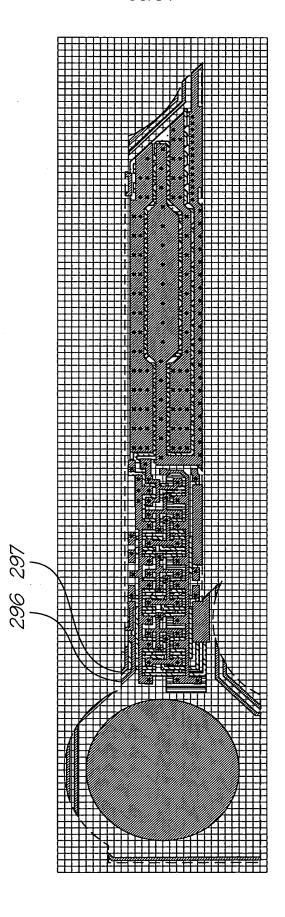


FIG. 78





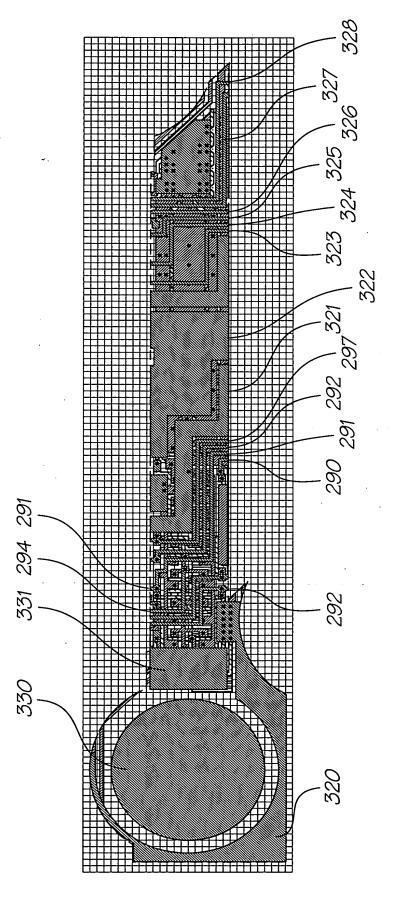


FIG. 81

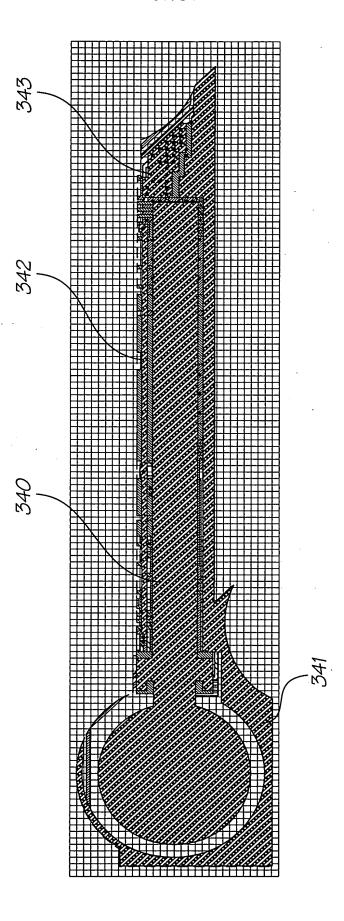


FIG. 82

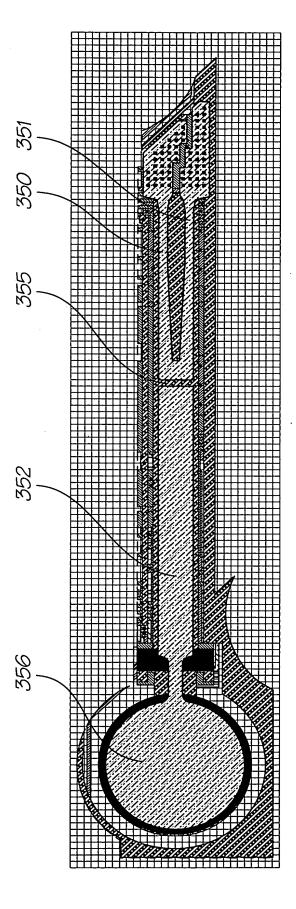


FIG. 83

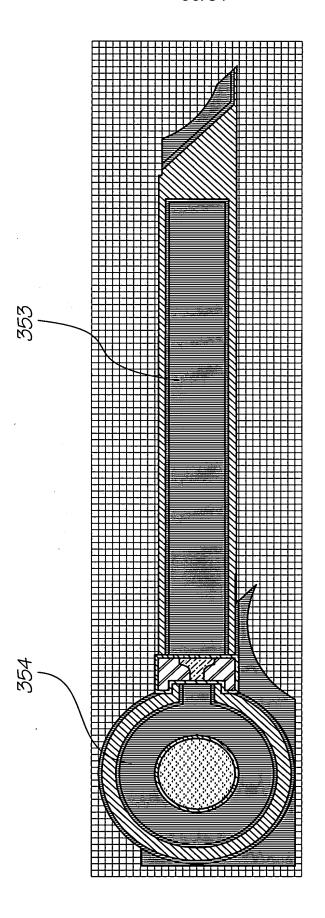
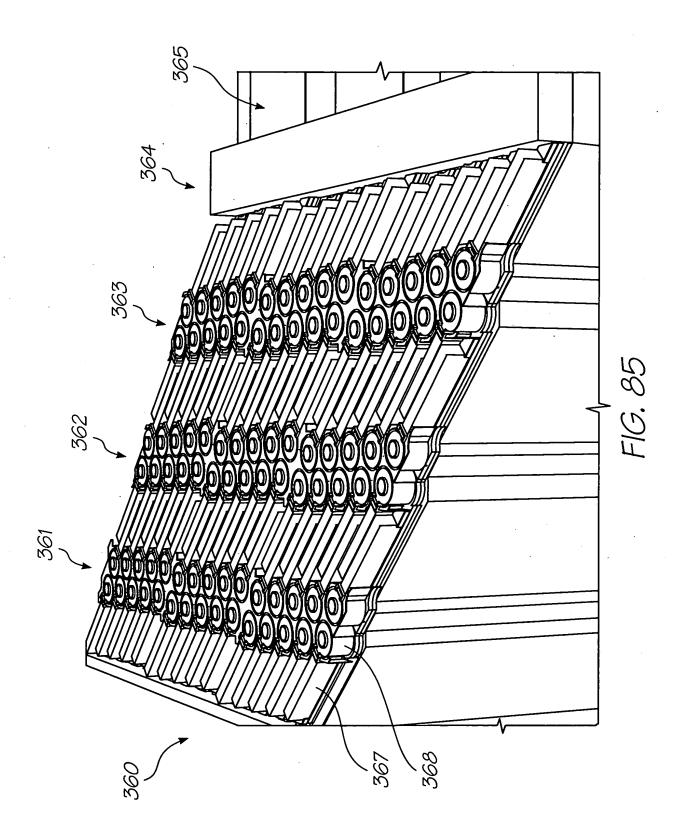


FIG. 84



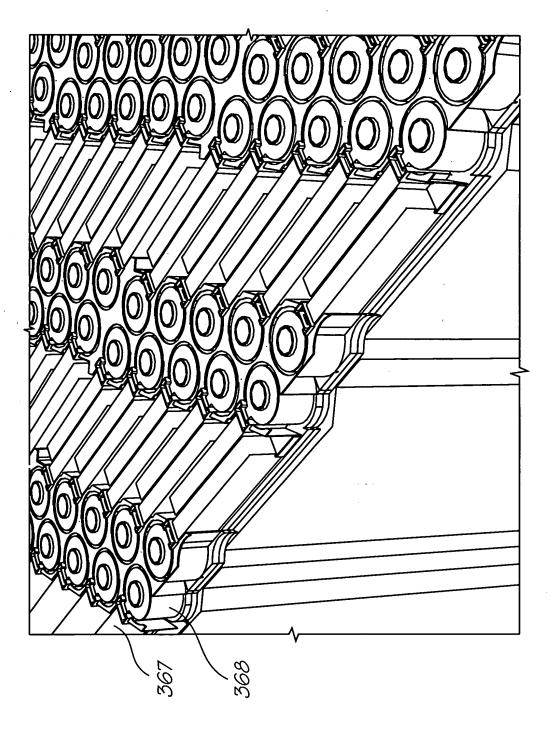


FIG. 86

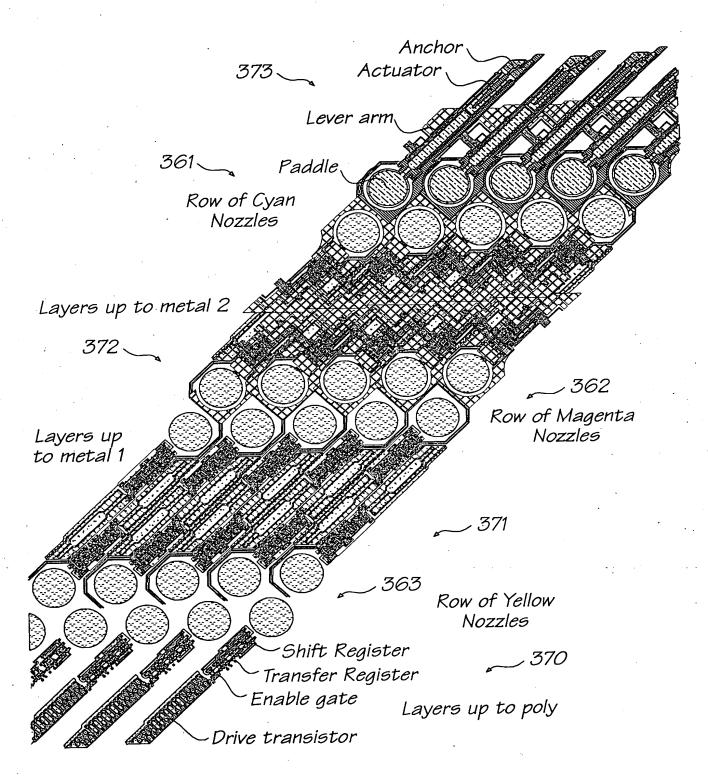
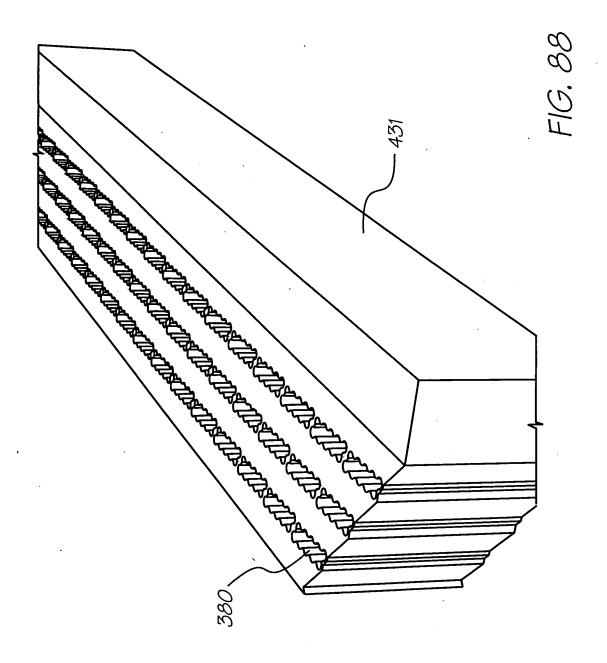
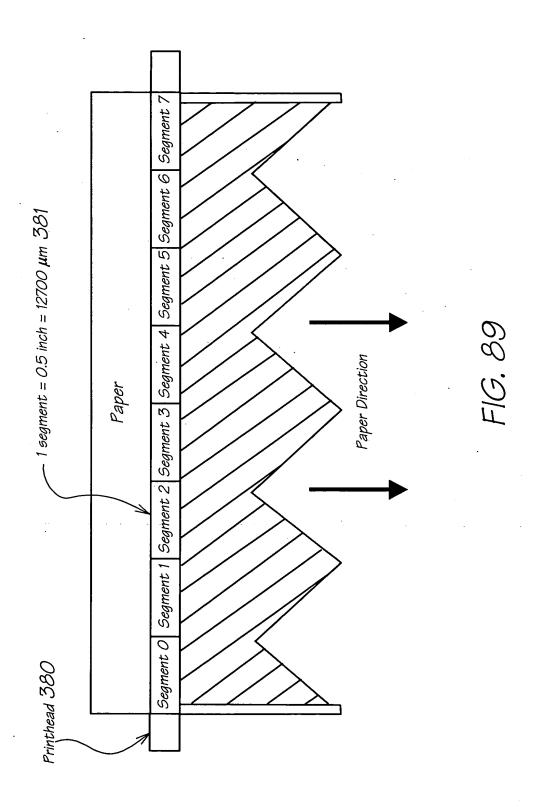
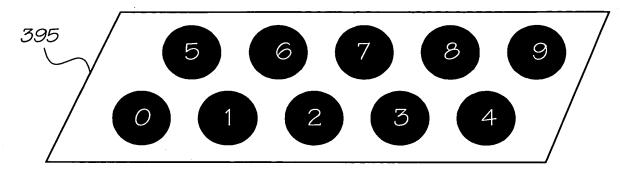


FIG. 87

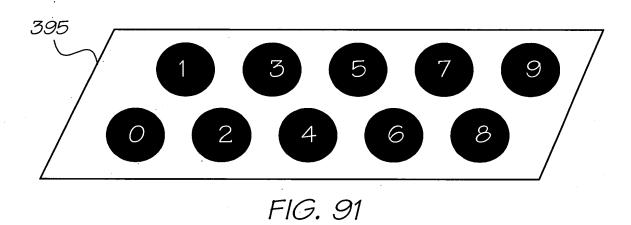




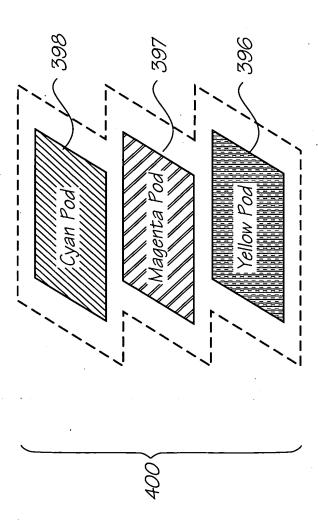


A single pod, numbered by firing order

FIG. 90



10 tripods
0 1 2 3 4 5 6 7 8 9



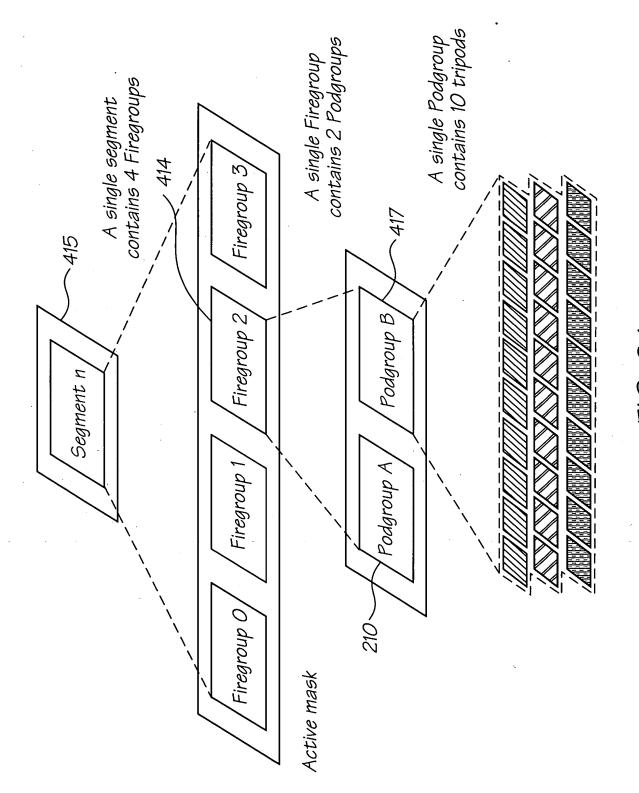


FIG. 94

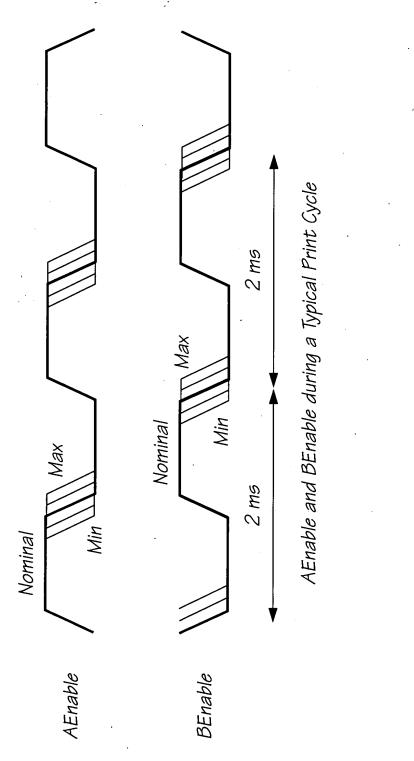
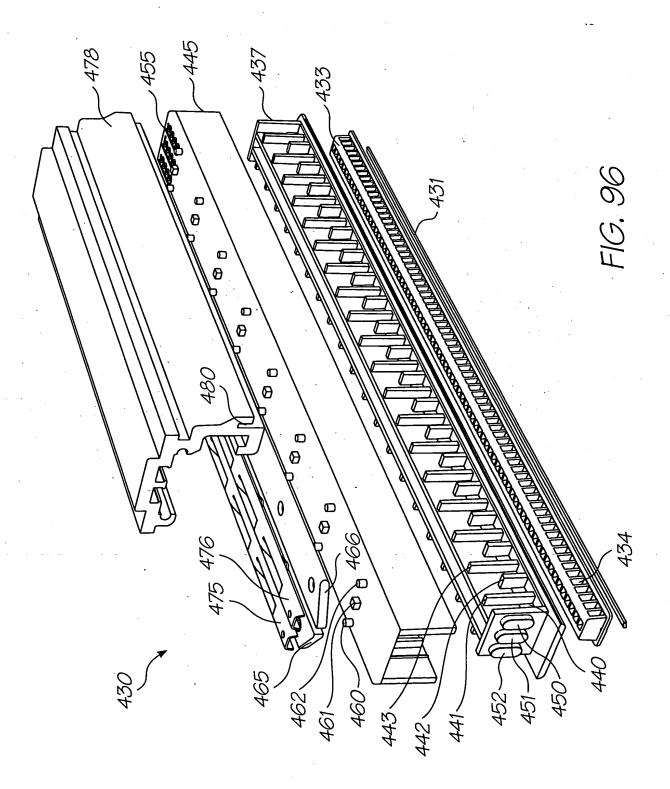
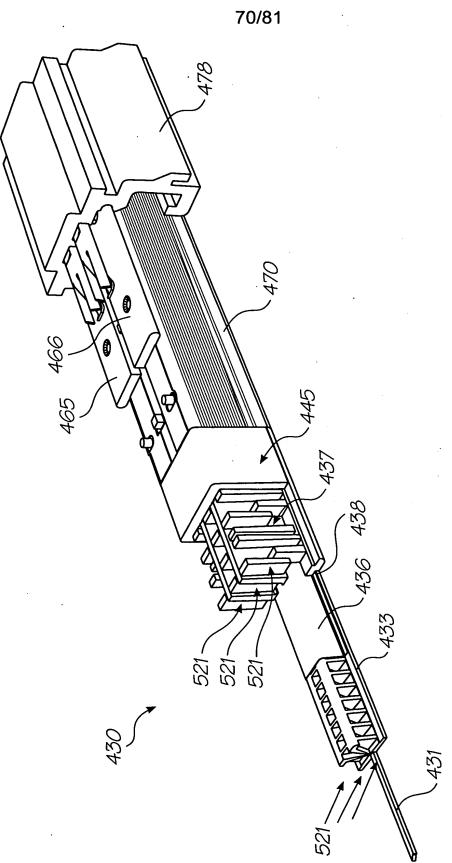
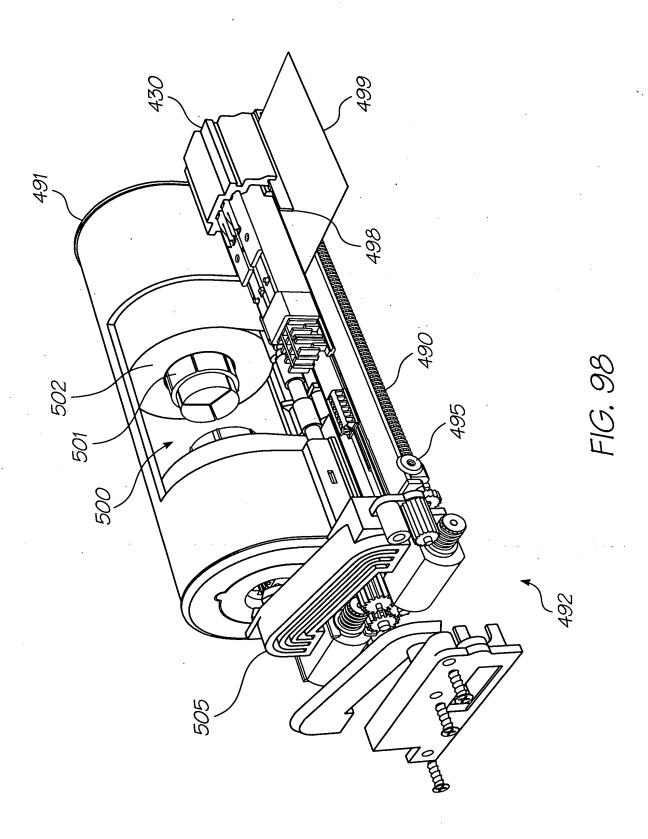
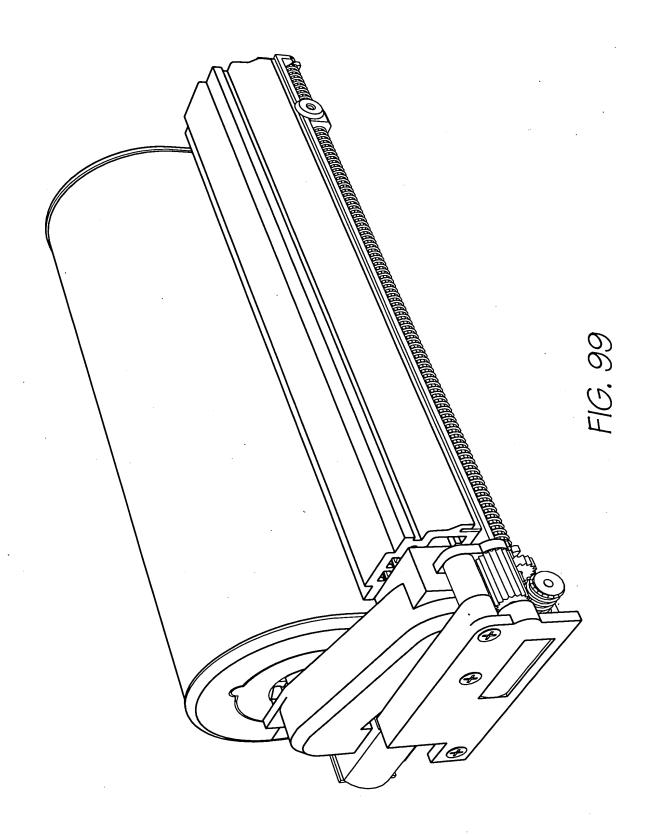


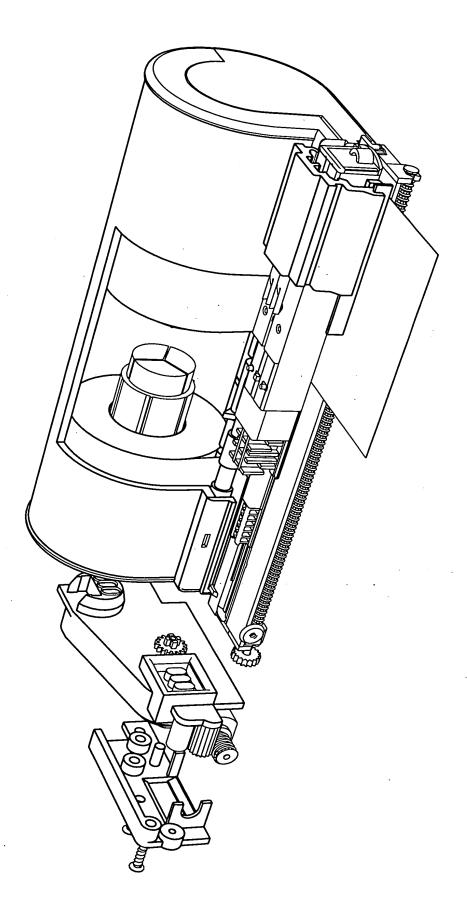
FIG. 95











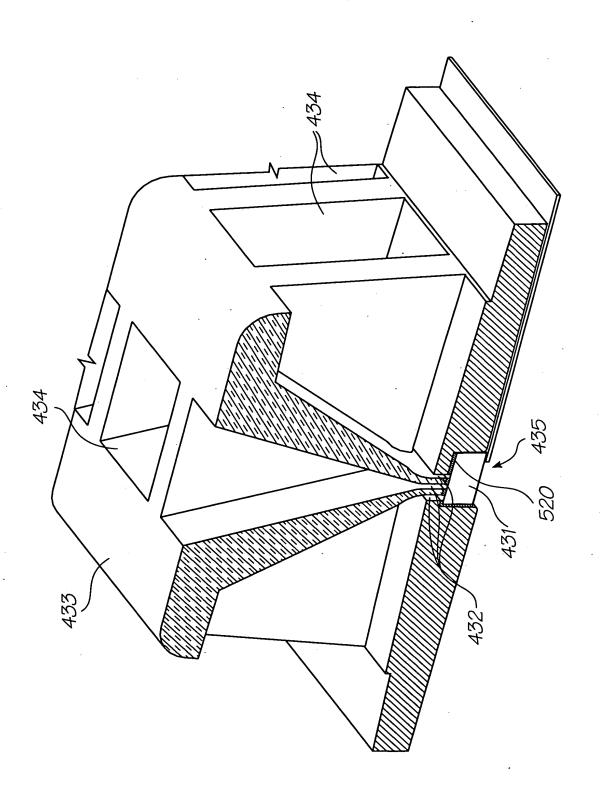


FIG. 101



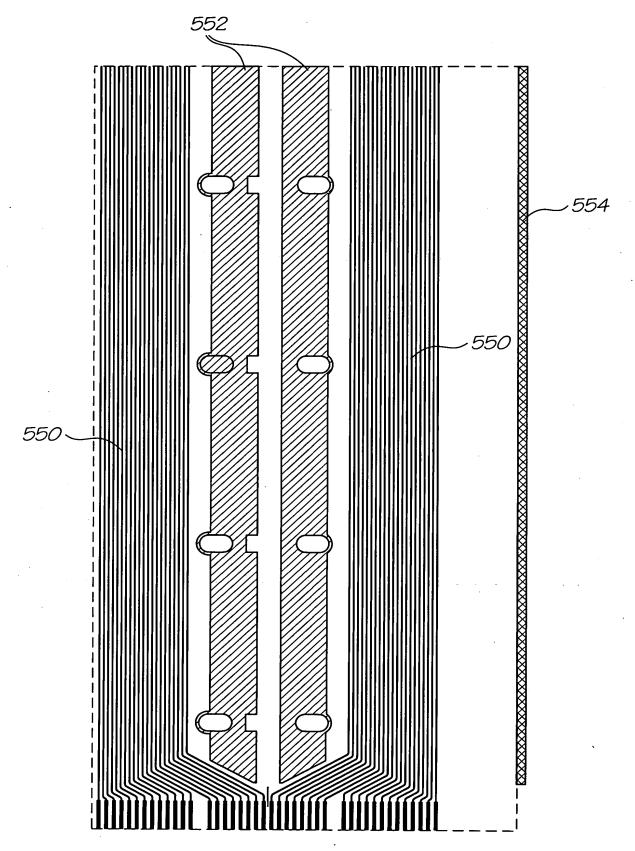


FIG. 102

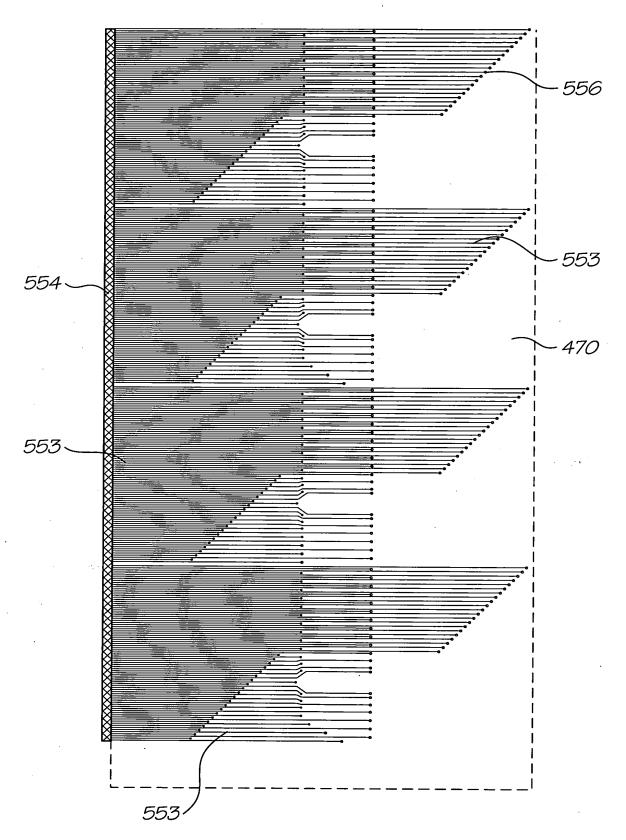
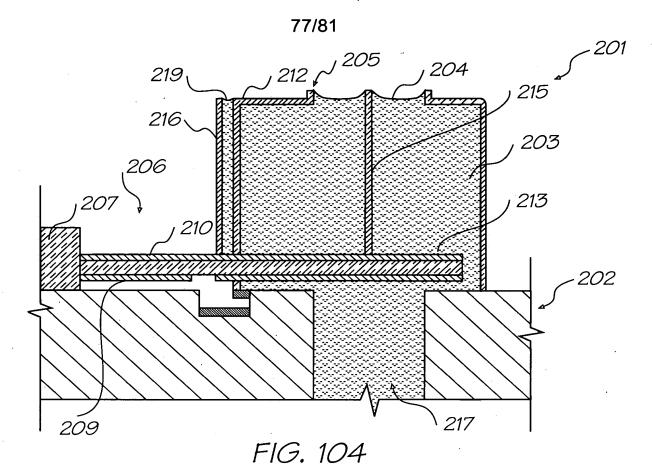
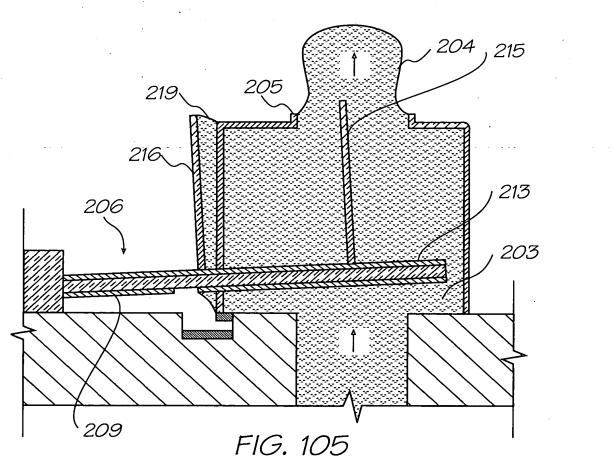


FIG. 103





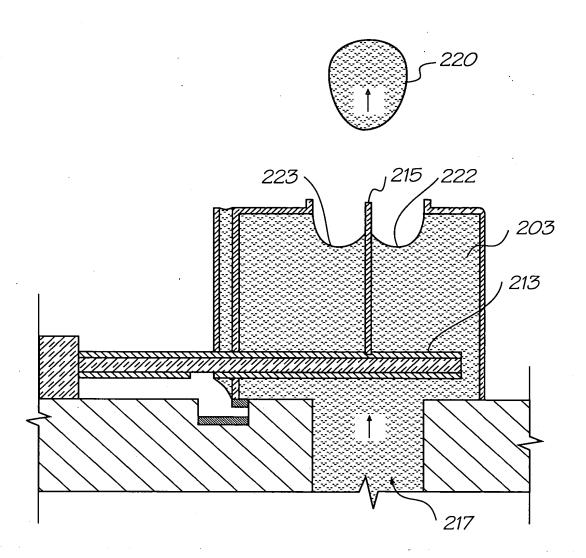
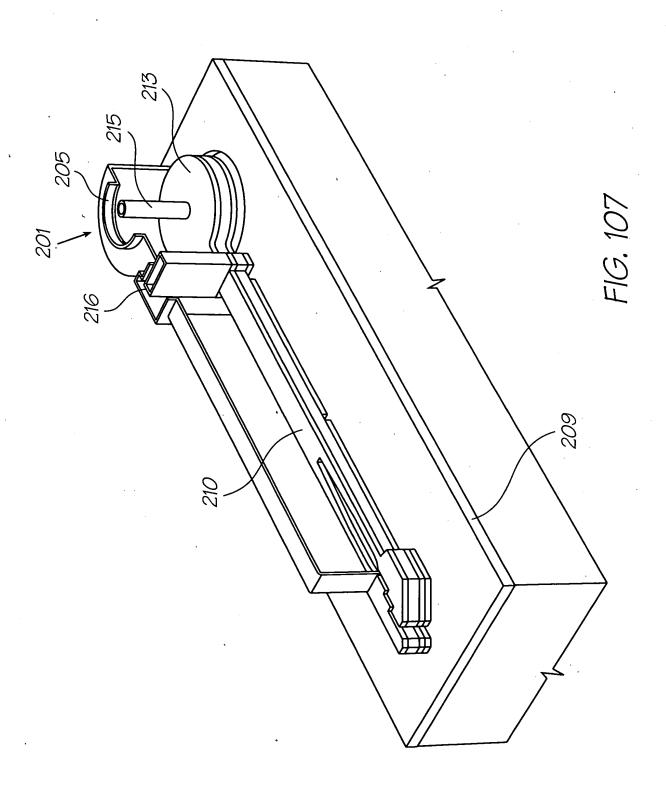
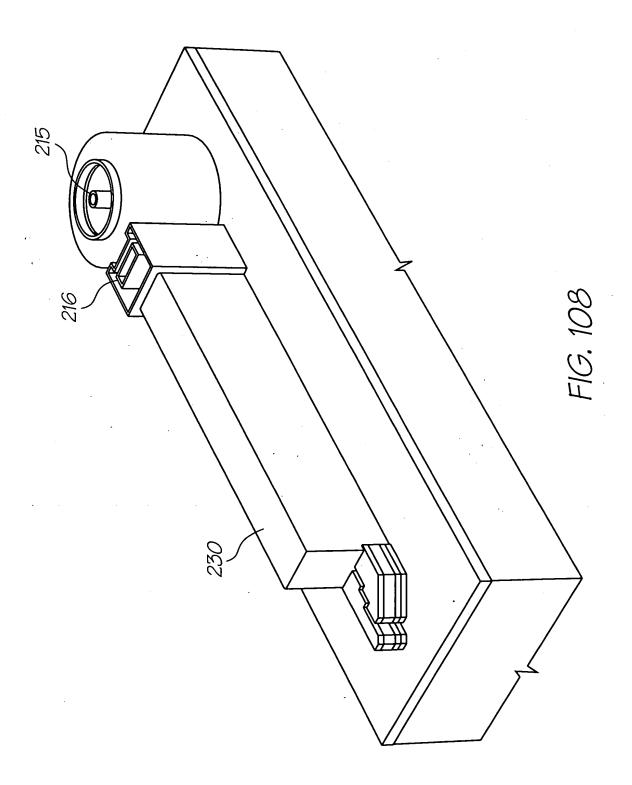


FIG. 106





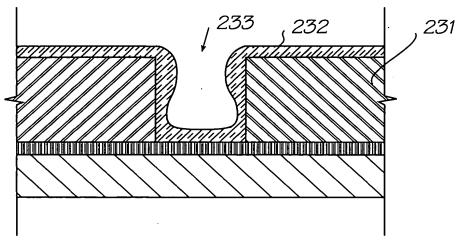


FIG. 109

